

Bohn, Brent

From: Cowden, John
Sent: Tuesday, January 14, 2014 9:11 AM
To: Kirrane, Ellen; Luben, Tom
Cc: Dutton, Steven; Sams, Reeder; Lee, Janice; Burgoon, Lyle
Subject: Risk of bias evaluation and draft evidence tables for cardiovascular and bladder cancer epi studies
Attachments: Arsenic_Study_Selection_Criteria_10312013.docx; Bladder_Evidence Table Short_Arsenic_Draft 123013.docx; Cardio_Evidence Table Short_Arsenic_Draft 123013.docx; As_SQSummary_Bladder_10312013.docx; As_SQSummary_Cardiovascular_10312013.docx; As_SQDetailed_10312013.docx
Categories: Record Saved - Private

Hi Ellen and Tom,

Happy Tuesday! I hope that things are going well for you today.

Here are the draft summary risk of bias evaluations and evidence tables for the cardiovascular and bladder cancer epi studies. The detailed risk of bias evaluations for each study are found in the "As SQDetailed 10312013" document. They are organized alphabetically by author. All of the studies are available on HERO.

I'm also including the selection criteria describing how studies were selected for inclusion in the as well.

Please let me know if you have any questions. And thanks again for your help with arsenic!

Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Cowden, John
Sent: Thursday, March 27, 2014 3:21 PM
To: Sams, Reeder
Cc: Lee, Janice; Meacham, Connie
Subject: Revised iAs ADP
Attachments: Inorganic Arsenic Materials and Topics for Discussion - revised draft - 03.27.14.docx
Categories: Record Saved - Private

Hey Reeder,

Happy Thursday! I hope that things are going well for you today.

Here is the revised iAs ADP incorporating the DC comments, the most recent MOA tables, and the preliminary MOA lit search strategy. There is something funky with the formatting for the table of contents, so updating it is a little irksome. Other than that, it has been spell-checked and ready for your review.

Let me know if you have any questions. Have a great afternoon!

John

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Bohn, Brent

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From: Cowden, John
Sent: Tuesday, January 14, 2014 11:44 AM
To: Kirrane, Ellen
Cc: Luben, Tom
Subject: RE: Risk of bias evaluation and draft evidence tables for cardiovascular and bladder cancer epi studies

Categories: Record Saved - Private

Hi Ellen,

Happy Tuesday (again)! You are correct – I means there should be an entry in the evidence table.

The studies are all in DRAGON as well.

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Kirrane, Ellen
Sent: Tuesday, January 14, 2014 11:41 AM
To: Cowden, John
Cc: Luben, Tom
Subject: RE: Risk of bias evaluation and draft evidence tables for cardiovascular and bladder cancer epi studies

Thanks John.

So I understand, if there is an "I" for include then there should be an entry in the evidence table?

Ellen F. Kirrane, Ph.D.
Ph: 919 541-1340

From: Cowden, John
Sent: Tuesday, January 14, 2014 9:11 AM
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Cc: Dutton, Steven; Sams, Reeder; Lee, Janice; Burgoon, Lyle
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Have a great morning!

John

John Cowden, Ph.D.

Hazardous Pollutant Assessment Group (HPAG)

National Center for Environmental Assessment (NCEA)

U.S. Environmental Protection Agency - RTP

(919) 541-3667

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Monday, August 25, 2014 11:06 AM
To: Lee, Janice; Cowden, John; Powers, Christina; Christy Powers; Joca, Lauren; Sams, Reeder; Meacham, Connie; Skuce, Courtney
Subject: RE: susceptibility lit search results
Categories: Record Saved - Private

→ Join Lync Meeting

-----Original Appointment-----

From: Lee, Janice [<mailto:Lee.JaniceS@epa.gov>]

Sent: Thursday, August 21, 2014 11:59 AM

To: Lee, Janice; Cowden, John; Powers, Christina; Christy Powers; Joca, Lauren; Sams, Reeder; Meacham, Connie; Turley, Audrey; Skuce, Courtney

Subject: susceptibility lit search results

When: Monday, August 25, 2014 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: RTP-B349-Max40/RTP-Bldg-B

Dial in: 1-866-299-3188

Conference Code: 919-541-9458

The purpose of this meeting is to walk through the lit search results for susceptibility as we start to think about the susceptibility framework in hazard ID.

<< File: As_Susceptibility_Categorization Results_071514.xlsx >> << File: Arsenic_Susceptibility Categorization Results_072214.docx >>

Bohn, Brent

From: Christy Powers <christy.m.powers@gmail.com>
Sent: Monday, August 25, 2014 11:31 AM
To: Turley, Audrey
Cc: Lee, Janice; Cowden, John; Powers, Christina; Joca, Lauren; Sams, Reeder; Meacham, Connie; Skuce, Courtney
Subject: Re: susceptibility lit search results
Attachments: 2014 04 iAs Bimonthly Meeting Final_Susceptibility Framework.pdf
Categories: Record Saved - Private

On Mon, Aug 25, 2014 at 11:06 AM, Turley, Audrey <Audrey.Turley@icfi.com> wrote:

→ Join Lync Meeting

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Sent: Thursday, August 21, 2014 11:59 AM

To: Lee, Janice; Cowden, John; Powers, Christina; Christy Powers; Joca, Lauren; Sams, Reeder; Meacham, Connie; Turley, Audrey; Skuce, Courtney

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Bohn, Brent

From: Powers, Christina
Sent: Wednesday, June 18, 2014 9:23 AM
To: Lee, Janice; Cowden, John
Cc: Sams, Reeder; Jones, Ryan; Powers, Christina
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)
Attachments: 2014 06 18 Arsenic_Lit_Diagram_MOA.pptx

Thanks for checking on this Janice. I was looking for a copy of the general lit search so that I could modify it for the MOA lit search.

Attached is a copy of what I've developed for the MOA lit search. Ryan and John, could you take a look at the attached and let me know if it accurately portrays the process that was used? If you have any details (i.e., number of studies excluded at each point) that we can add now, then that would be most helpful.

As always, don't hesitate to contact me with any questions or concerns.

Thanks!
Christy

From: Lee, Janice
Sent: Tuesday, June 17, 2014 4:39 PM
To: Powers, Christina; Cowden, John
Cc: Sams, Reeder; Jones, Ryan
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

This looks like the overall lit search.

Christy- are you looking for one that is only focused on the mechanistic studies (MOA/AOP)?

From: Powers, Christina
Sent: Tuesday, June 17, 2014 4:37 PM
To: Cowden, John
Cc: Lee, Janice; Sams, Reeder; Jones, Ryan
Subject: RE: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Thanks John!

Happy Tuesday and Go Blue!

Cheers,
Christy

From: Cowden, John
Sent: Tuesday, June 17, 2014 4:12 PM
To: Powers, Christina
Cc: Lee, Janice; Sams, Reeder; Jones, Ryan
Subject: FW: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

Hey Christy,

Happy Tuesday (again)! I heard you might be looking for a lit flow diagram.... ☺

Have a great evening!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
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From: Burch, Dave [<mailto:dave.burch@icfi.com>]
Sent: Thursday, June 12, 2014 4:01 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Turley, Audrey
Subject: Updated As lit search flow diagram (with Jan-Mar 2014 lit search update)

John,

Attached is a revised version of the literature search flow diagram for arsenic, now updated to show the disposition of the additional references retrieved via the lit search update for January-March 2014. Please use this version in any updated documents describing the methods and results of the systematic literature review supporting the arsenic assessment.

Give me a call if you have any questions.

Thanks,
Dave

DAVE BURCH | Principal | 919.293.1630 office | 919.450.7372 cell | dave.burch@icfi.com | icfi.com
ICF INTERNATIONAL | 2635 Meridian Pkwy, Suite 200 | Durham, NC 27713

Bohn, Brent

From: Cawley, Michelle <Michelle.Cawley@icfi.com>
Sent: Wednesday, September 24, 2014 9:41 AM
To: Cowden, John; Lee, Janice; Powers, Christina; Sams, Reeder
Cc: Turley, Audrey; Burch, Dave; Mendez Jr, William; Blain, Robyn
Subject: Results of Arsenic MOA Screening
Attachments: WA_0-18_MOA_Screening_Results_9-24-2014.pptx

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Record Saved - Private

Hi all,

We've completed the MOA screening and have compiled the results. The attached file includes a lit flow diagram with the overall screening results and also a heat map that displays the relationship between references tagged to MOA and health effect categories.

Please let us know if you have any questions.

Thank you!
Michelle

MICHELLE CAWLEY |
ICF INTERNATIONAL |

Bohn, Brent

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From: Kirrane, Ellen
Sent: Thursday, January 30, 2014 2:25 PM
To: Cowden, John
Subject: RE: Long evidence tables for cardio and bladder

Categories: Record Saved - Private

Thanks

Ellen F. Kirrane, Ph.D.
Ph: 919 541-1340

From: Cowden, John
Sent: Thursday, January 30, 2014 1:56 PM
To: Kirrane, Ellen; Luben, Tom
Cc: Lee, Janice; Sams, Reeder
Subject: Long evidence tables for cardio and bladder

Hi Ellen and Tom,

Happy Thursday! I hope that things are going well for you today.

Here are the "long" version of the evidence tables for bladder and cardio. As an added bonus, I'm sending the materials we submitted to the NRC.

Let me know if you have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Davis, Allen
Sent: Thursday, April 03, 2014 12:51 PM
To: Lee, Janice; Gift, Jeff
Cc: Cowden, John; Sams, Reeder
Subject: RE: meta-analysis comments from epi workgroup
Attachments: Arsenic_Meta-Analyses Approach_032814_JAD.docx

Categories: Record Saved - Private

My comments are attached. They largely reflect previous discussions we've had and comments already submitted by Jeff and Leonid.

J. Allen Davis, MSPH
 Biologist
 National Center for Environmental Assessment
 U.S. Environmental Protection Agency
 109 T.W. Alexander Dr, MC B243-01
 RTP, NC 27711
 phone: 919-541-3789
 fax: 919-541-0245
 email: davis.allen@epa.gov

From: Lee, Janice
Sent: Thursday, April 03, 2014 9:43 AM
To: Turley, Audrey; Mendez Jr, William; sorina.eftim@icfi.com; Gift, Jeff; Davis, Allen; Luben, Tom; Kirrane, Ellen
Cc: Cowden, John; Sams, Reeder
Subject: meta-analysis comments from epi workgroup

The epi workgroup is also reviewing the meta-analysis plan (Jennifer Jinot and Leonid Kopylev). Leonid's comments are attached.

Janice

From: Persad, Amanda
Sent: Thursday, April 03, 2014 8:42 AM
To: Lee, Janice
Cc: Cowden, John; Sams, Reeder; Christensen, Krista
Subject: RE: epi workgroup request

Janice,

We've received 1 set of comments so far (see attached). The next set might be delivered closer to the deadline date of April 9th. The workgroup plans on discussing the comments at our next meeting on April 16th, which we know is after your deadline, but the purpose is primarily to share ideas with the rest of the workgroup and 'report out' from this task. You are welcome to attend (4/16 at 11am). Any additional comments generated at that time will be forwarded to you. Amanda and Krista

From: Lee, Janice
Sent: Wednesday, April 02, 2014 10:48 AM
To: Persad, Amanda; Christensen, Krista
Cc: Cowden, John; Sams, Reeder
Subject: epi workgroup request

Hi Amanda and Krista,

We received a proposed meta-analysis plan (for hazard ID) for inorganic arsenic from ICF and we're looking for someone in the epi workgroup to review this plan. Someone who has done meta-analysis for an assessment would be great. We're looking for a turnaround time of a week. Let me know if you have any questions.

Thanks, Janice

Janice S. Lee, Ph.D.
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

Bohn, Brent

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From: Lee, Janice
Sent: Monday, April 07, 2014 11:21 AM
To: Turley, Audrey
Cc: Cowden, John
Subject: RE: meta-analysis workplan comments

Categories: Record Saved - Private

Hey Audrey,

This is it. I don't expect any more comments on the workplan.

Janice

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Monday, April 07, 2014 11:19 AM
To: Lee, Janice
Cc: Cowden, John
Subject: RE: meta-analysis workplan comments

Thanks, Janice!

Are you expecting other comments or is this probably it? If it's "it" then it would be good to meet to discuss exactly what you want us to do.

Audrey

From: Lee, Janice [mailto:Lee.JaniceS@epa.gov]
Sent: Monday, April 07, 2014 11:17 AM
To: Luben, Tom; Kirrane, Ellen; Turley, Audrey
Cc: Cowden, John; Davis, Allen; Gift, Jeff; Sams, Reeder
Subject: meta-analysis workplan comments

Hi Tom and Ellen,

FYI- We received comments on the meta-analysis plan for hazard id. They are attached.

Thanks, Janice

Bohn, Brent

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From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Monday, April 07, 2014 11:19 AM
To: Lee, Janice
Cc: Cowden, John
Subject: RE: meta-analysis workplan comments

Categories: Record Saved - Private

Thanks, Janice!

Are you expecting other comments or is this probably it? If it's "it" then it would be good to meet to discuss exactly what you want us to do.

Audrey

From: Lee, Janice [mailto:Lee.JaniceS@epa.gov]
Sent: Monday, April 07, 2014 11:17 AM
To: Luben, Tom; Kirrane, Ellen; Turley, Audrey
Cc: Cowden, John; Davis, Allen; Gift, Jeff; Sams, Reeder
Subject: meta-analysis workplan comments

Hi Tom and Ellen,

FYI- We received comments on the meta-analysis plan for hazard id. They are attached.

Thanks, Janice

Bohn, Brent

From: Jones, Ryan
Sent: Thursday, March 27, 2014 11:00 AM
To: Cowden, John
Subject: RE: MOA cluster paragraph

Categories: Record Saved - Private

Apologies, I've sat down to write it a couple of times.

Staying sat now. I'll have it shortly.

From: Cowden, John
Sent: Thursday, March 27, 2014 10:58 AM
To: Jones, Ryan
Subject: MOA cluster paragraph

Hi Ryan,

Happy Thursday! I hope that things are going well for you today.

Have you gotten a chance to draft the lit search paragraph for the MOA clusters? We're sending something up north for review today and I'd like to include it if possible.

Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

From: Powers, Christina
Sent: Monday, October 20, 2014 1:25 PM
To: Lee, Janice; Cawley, Michelle
Cc: Turley, Audrey; Cowden, John; Powers, Christina
Subject: RE: MOA Lit Search Discussion

Categories: Record Saved - Private

Thursday 9-9:30 a.m. works well for me.

Thanks very much for looking for times to discuss these issues.

Best,
Christy

Christy Powers
Postdoctoral Fellow
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency
Ann Arbor, MI

Tel: 734.214.4243

E-mail: powers.christina@epa.gov

Notice (If This Communication Regards a Contract): Nothing in this message shall be construed as a change to the price, schedule, or terms and conditions of the contract. If the receiver does construe it otherwise, please notify me immediately so that proper contract action can be initiated.

From: Lee, Janice
Sent: Monday, October 20, 2014 1:08 PM
To: Cawley, Michelle; Powers, Christina
Cc: Turley, Audrey; Cowden, John
Subject: RE: MOA Lit Search Discussion

Hi Michelle,

Thanks for bringing this to our attention. Tomorrow at 1 we have another meeting and then Wed I'm out of the office at the GEMS meeting. So Thurs 9-9:30 or 3:30-4 would work for me.

Christy- do either of these times work for you?

Thanks, Janice

From: Cawley, Michelle [<mailto:Michelle.Cawley@icfi.com>]

Sent: Monday, October 20, 2014 12:58 PM

To: Lee, Janice; Powers, Christina

Cc: Turley, Audrey

Subject: MOA Lit Search Discussion

Hi Janice and Christy,

We have some concerns about the MOA lit search that we wanted to raise with you. Do you have time this week to talk through the issues we've noticed and determine if it makes sense to investigate further? If so, please let us know if there a 30 minute slot that works for you among these dates and times:

Tuesday:

- 1 to 1:30

Wednesday:

- 9:00 to 10:30
- 12:30 to 1:30

Thursday:

- 9 to 10
- 10 to 11
- 3:30 to 4:30

Let us know what you think.

Thanks!

Michelle

MICHELLE CAWLEY | Technical Specialist/Librarian | 919.293.1659 (o) | michelle.cawley@icfi.com | icfi.com
ICF INTERNATIONAL | 2635 Meridian Parkway, Suite 200, Durham, NC 27713 | 919.604.4815 (m)
Connect with us on [social media](#).

Bohn, Brent

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From: Gift, Jeff
Sent: Monday, April 28, 2014 4:25 PM
To: Bruce Allen; 'Turley, Audrey'
Cc: 'Mendez Jr, William'; Cowden, John; Lee, Janice; 'Eftim, Sorina'
Subject: RE: Arsenic meta-analyses

No. Sorry I misled you this morning, Bruce. Audrey is correct. I moved it to Wednesday this week (same time, same place) because I'm having some outpatient surgery done on Thursday. I'll send out a reminder before I leave today.

Jeff Gift, Ph.D.
National Center for Environmental Assessment
EPA (B243-01)
RTP, NC 27711
919-541-4828
919-541-0245 (fax)
gift.jeff@epa.gov

From: Bruce Allen [<mailto:Bruce.C.Allen@outlook.com>]
Sent: Monday, April 28, 2014 4:16 PM
To: 'Turley, Audrey'
Cc: Gift, Jeff; 'Mendez Jr, William'; Cowden, John; Lee, Janice; 'Eftim, Sorina'
Subject: RE: Arsenic meta-analyses

The meeting is still on Thursday, isn't that correct, Jeff?

Bruce

From: Turley, Audrey [<mailto:Audrey.Turley@icfi.com>]
Sent: Monday, April 28, 2014 2:30 PM
To: Bruce Allen
Cc: gift.jeff@epa.gov; Mendez Jr, William; cowden.john@Epa.gov; lee.janices@Epa.gov; Eftim, Sorina
Subject: RE: Arsenic meta-analyses

Hi Bruce and Jeff,

We delivered the attached revised meta-analysis approach to John and Janice last week. It's updated based on comments received and discussed at the last arsenic dose meeting.

It would be good for all of us to have a discussion about next steps this week – maybe on Wednesday at the dose-response meeting? I plan to attend in person.

Audrey

From: Bruce Allen [<mailto:Bruce.C.Allen@outlook.com>]
Sent: Monday, April 28, 2014 2:01 PM
To: Turley, Audrey
Cc: gift.jeff@epa.gov; Mendez Jr, William
Subject: Arsenic meta-analyses

Audrey:

Hey, hope you are well. Jeff was asking about integrating the meta-analysis that y'all did for the Hazard Id with the meta-analysis (meta-regression) that we are planning for the dose-response analysis. More in terms of having a single report (as opposed to meshing the methods). I wanted to sound you out about that, see what you think are the pros and cons, and how we might go about that. Do y'all have a write-up of your meta-analysis that I could take a look at?

Thanks,

Bruce C. Allen

919-408-0923

Bruce.C.Allen@outlook.com

Bohn, Brent

240

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Thanks,

Bruce C. Allen
919-408-0923
Bruce.C.Allen@outlook.com

Bohn, Brent

24/

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Sent: Monday, April 28, 2014 4:43 PM
To: Gift, Jeff; 'Turley, Audrey'
Cc: 'Mendez Jr, William'; Cowden, John; Lee, Janice; 'Eftim, Sorina'
Subject: RE: Arsenic meta-analyses

Thanks – that sounds familiar now that I think about it. I got the e-vite.

Bruce

From: Gift, Jeff [mailto:Gift.Jeff@epa.gov]
Sent: Monday, April 28, 2014 4:25 PM
To: Bruce Allen; 'Turley, Audrey'
Cc: 'Mendez Jr, William'; Cowden, John; Lee, Janice; 'Eftim, Sorina'
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RTP, NC 27711
919-541-4828
919-541-0245 (fax)
gift.jeff@epa.gov

From: Bruce Allen [mailto:Bruce.C.Allen@outlook.com]
Sent: Monday, April 28, 2014 4:16 PM
To: 'Turley, Audrey'
Cc: Gift, Jeff; 'Mendez Jr, William'; Cowden, John; Lee, Janice; 'Eftim, Sorina'
Subject: RE: Arsenic meta-analyses

The meeting is still on Thursday, isn't that correct, Jeff?

Bruce

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Monday, April 28, 2014 2:30 PM
To: Bruce Allen
Cc: gift.jeff@epa.gov; Mendez Jr, William; cowden.john@Epa.gov; lee.janices@Epa.gov; Eftim, Sorina
Subject: RE: Arsenic meta-analyses

Hi Bruce and Jeff,

We delivered the attached revised meta-analysis approach to John and Janice last week. It's updated based on comments received and discussed at the last arsenic dose meeting.

It would be good for all of us to have a discussion about next steps this week – maybe on Wednesday at the dose-response meeting? I plan to attend in person.

Audrey

From: Bruce Allen [<mailto:Bruce.C.Allen@outlook.com>]

Sent: Monday, April 28, 2014 2:01 PM

To: Turley, Audrey

Cc: gift.jeff@epa.gov; Mendez Jr, William

Subject: Arsenic meta-analyses

Audrey:

Hey, hope you are well. Jeff was asking about integrating the meta-analysis that y'all did for the Hazard Id with the meta-analysis (meta-regression) that we are planning for the dose-response analysis. More in terms of having a single report (as opposed to meshing the methods). I wanted to sound you out about that, see what you think are the pros and cons, and how we might go about that. Do y'all have a write-up of your meta-analysis that I could take a look at?

Thanks,

Bruce C. Allen

919-408-0923

Bruce.C.Allen@outlook.com

From: Rooney, Andrew (NIH/NIEHS) [E] <andrew.rooney@nih.gov>
Sent: Monday, June 23, 2014 4:50 PM
To: Lee, Janice
Cc: Sams, Reeder; Powers, Christina; Luben, Tom; Kirrane, Ellen; Tokar, Erik (NIH/NIEHS) [E]; Thomas, David; Cowden, John
Subject: Re: Collated risk of bias and systematic review comments
Categories: Record Saved - Private

Thanks

Andrew A Rooney, PhD
Deputy Director, OHAT
DNTP NIEHS
P.O. Box 12233
Mail Drop K2-04
RTP, NC 27709

Phone: (919) 541-2999
eFax: (301) 480-3299
email: Andrew.Rooney@nih.gov<mailto:Andrew.Rooney@nih.gov>

On Jun 23, 2014, at 4:22 PM, "Lee, Janice" <Lee.JaniceS@epa.gov<mailto:Lee.JaniceS@epa.gov>> wrote:

Hi everyone,

Attached is a table of the comments related to risk of bias and systematic review.

Janice

From: Sams, Reeder
Sent: Monday, June 23, 2014 4:05 PM
To: Powers, Christina; Lee, Janice; Luben, Tom; Kirrane, Ellen; tokare@mail.nih.gov<mailto:tokare@mail.nih.gov>; Andrew Rooney; Thomas, David; Cowden, John
Subject: FW: IRIS As Meeting Slides

FYI-

Reeder L. Sams II, Ph.D.
Deputy Director (Acting), RTP Division
NCEA/ORD/USEPA
RTP, NC 27711

Phone: 919-541-0661[X]

Fax: 919-541-0245[X]

From: Lisa M. Bassett [mailto:LBassett@gradientcorp.com] On Behalf Of Barbara D. Beck

Sent: Monday, June 23, 2014 3:45 PM

To: 'EPA_IRIS@icfi.com' <mailto:EPA_IRIS@icfi.com>

Cc: Barbara D. Beck; Cogliano, Vincent; Sams, Reeder

Subject: IRIS As Meeting Slides

Dear Audrey:

Attached are my slides, in separate files, organized by issue area.

I will not have the references available until tomorrow – should I bring a reference list handout or would you want that as a slide as well? It will be a consolidated list.

Best,

Barbara

Barbara D. Beck, Ph.D., DABT, Fellow ATS | Principal 617-395-5000[X] |
bbeck@gradientcorp.com <mailto:BBECK@gradientcorp.com>

Gradient | 20 University Road | Cambridge, MA 02138 |
www.gradientcorp.com <https://mail.gradientcorp.com/owa/14.1.270.1/scripts/premium/UrlBlockedError.aspx>

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<Public comments related to risk of bias and systematic review.docx>

Bohn, Brent

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Tuesday, January 28, 2014 3:05 PM
To: Cowden, John
Cc: Kirrane, Ellen; Luben, Tom; Lee, Janice; Sams, Reeder
Subject: RE: DRAFT DRAFT DRAFT comments on the evidence tables

Categories: Record Saved - Private

Thanks, John, Ellen, and Tom. We really appreciate your review. We will review what you've sent and be prepared to discuss on Thursday. Does some time between 9 and 12 work?
Audrey

From: Cowden, John [mailto:Cowden.John@epa.gov]
Sent: Tuesday, January 28, 2014 2:55 PM
To: Turley, Audrey
Cc: Kirrane, Ellen; Luben, Tom; Lee, Janice; Sams, Reeder
Subject: DRAFT DRAFT DRAFT comments on the evidence tables

Hi Audrey,

Happy Tuesday! I hope that things are going well for you today. Any snowflakes yet?

Here are the initial comments from Tom and Ellen. The forwarded emails contain the comment attachments, as well as some discussion of their review in the emails themselves. Let me know if you have any questions.

Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Persad, Amanda
Sent: Thursday, April 03, 2014 8:42 AM
To: Lee, Janice
Cc: Cowden, John; Sams, Reeder; Christensen, Krista
Subject: RE: epi workgroup request
Attachments: Arsenic_Draft_2_Review_Kopylev.docx

Categories: Record Saved - Private

Janice,
We've received 1 set of comments so far (see attached). The next set might be delivered closer to the deadline date of April 9th. The workgroup plans on discussing the comments at our next meeting on April 16th, which we know is after your deadline, but the purpose is primarily to share ideas with the rest of the workgroup and 'report out' from this task. You are welcome to attend (4/16 at 11am). Any additional comments generated at that time will be forwarded to you.
Amanda and Krista

From: Lee, Janice
Sent: Wednesday, April 02, 2014 10:48 AM
To: Persad, Amanda; Christensen, Krista
Cc: Cowden, John; Sams, Reeder
Subject: epi workgroup request

Hi Amanda and Krista,

We received a proposed meta-analysis plan (for hazard ID) for inorganic arsenic from ICF and we're looking for someone in the epi workgroup to review this plan. Someone who has done meta-analysis for an assessment would be great. We're looking for a turnaround time of a week.
Let me know if you have any questions.

Thanks, Janice

Janice S. Lee, Ph.D.
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

From: Lee, Janice
Sent: Monday, April 07, 2014 11:12 AM
To: Christensen, Krista
Cc: Cowden, John; Sams, Reeder; Jinot, Jennifer; Hawkins, Belinda; Persad, Amanda; Kopylev, Leonid; Perovich, Gina; Cogliano, Vincent
Subject: RE: epi workgroup request
Categories: Record Saved - Private

Hi Krista and Amanda,

Thanks for coordinating the review and getting comments back to us so quickly.

Leonid and Jennifer- Thank you so much for reviewing the meta-analysis workplan and for your quick turnaround! Your comments are really useful to us as we move forward on meta-analysis for hazard id.

Janice

From: Christensen, Krista
Sent: Monday, April 07, 2014 7:36 AM
To: Lee, Janice
Cc: Cowden, John; Sams, Reeder; Jinot, Jennifer; Hawkins, Belinda; Persad, Amanda
Subject: RE: epi workgroup request

Hi Janice,
Please find attached the 2nd set of comments, from Jennifer Jinot. Jennifer noted that the ICF proposal includes discussions with EPA about aspects including study eligibility criteria, health effect category selection, etc. If appropriate, Jennifer would like to participate in these discussions, as she had comments on those aspects of the proposal, as well as having experience with meta-analysis in general.

Thanks,
Krista and Amanda

From: Persad, Amanda
Sent: Thursday, April 03, 2014 8:42 AM
To: Lee, Janice
Cc: Cowden, John; Sams, Reeder; Christensen, Krista
Subject: RE: epi workgroup request

Janice,
We've received 1 set of comments so far (see attached). The next set might be delivered closer to the deadline date of April 9th. The workgroup plans on discussing the comments at our next meeting on April 16th, which we know is after your deadline, but the purpose is primarily to share ideas with the rest of the workgroup and 'report out' from this task. You are welcome to attend (4/16 at 11am). Any additional comments generated at that time will be forwarded to you.
Amanda and Krista

From: Lee, Janice
Sent: Wednesday, April 02, 2014 10:48 AM
To: Persad, Amanda; Christensen, Krista

Cc: Cowden, John; Sams, Reeder
Subject: epi workgroup request

Hi Amanda and Krista,

We received a proposed meta-analysis plan (for hazard ID) for inorganic arsenic from ICF and we're looking for someone in the epi workgroup to review this plan. Someone who has done meta-analysis for an assessment would be great. We're looking for a turnaround time of a week. Let me know if you have any questions.

Thanks, Janice

Janice S. Lee, Ph.D.
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

Bohn, Brent

272

From: Powers, Christina
Sent: Tuesday, June 24, 2014 1:28 PM
To: Jones, Ryan
Cc: Cowden, John; Lee, Janice
Subject: RE: iAs MOA Lit Flow Diagram
Attachments: 2014 06 24 Arsenic_Lit_Diagram_MOA_CLEAN.pptx

Categories: Record Saved - Private

Thanks Ryan!

I went through and made all of the text in boxes black to avoid too much attention on the numbers. John can you add the attached slide to the end of the meeting presentation slide deck as an extra slide?

Cheers,
Christy

From: Jones, Ryan
Sent: Tuesday, June 24, 2014 12:58 PM
To: Powers, Christina
Cc: Cowden, John; Lee, Janice
Subject: RE: iAs MOA Lit Flow Diagram

I updated the MOA items to reflect the sources of the ones already identified.

From: Powers, Christina
Sent: Tuesday, June 24, 2014 12:23 PM
To: Jones, Ryan
Cc: Powers, Christina; Cowden, John; Lee, Janice
Subject: iAs MOA Lit Flow Diagram

Hey Ryan,

Thanks so much for your insight on the MOA lit flow. Attached is the most recent copy with a few updates per our conversation. Can you look it over and revise, particularly how the 553 references that were previously ID'd, come in?

John,

When Ryan shares the updated slide, can you add it as an extra slide in bimonthly meeting slide deck? I think it may be useful to have a visual on hand to help address questions related to how the MOA lit search is being conducted.

As always, don't hesitate to contact me with any questions or concerns. I'll be traveling to DC this afternoon so my cell is the best way to reach me after about 3 p.m..

Thanks!
Christy
Cell: 919-257-9182

Bohn, Brent

~~259~~ 275

From: Powers, Christina
Sent: Monday, June 23, 2014 1:41 PM
To: Lee, Janice
Cc: Cowden, John; Sams, Reeder; Powers, Christina
Subject: iAs Public Comments: MOA Comments and Potential Questions
Attachments: 2014 06 23 iAs MOA Public Comment Responses.docx; 2014 06 23 iAs Public Meeting Discussion statements & questions.docx

Categories: Record Saved - Private

Hi Janice,

Attached is the most recent copy of the table with public comments related to MOA/AOP. As we discussed, the "response" column is very preliminary and intended to serve more as notes than specific language for any written responses.

I'm also attaching a draft table with some declarative statements and related questions to ask stakeholders during the discussion on Issue 6. The order of the statements roughly corresponds with the summary discussion slide for MOA/AOP. I also added statements and questions related to Sam Cohen's presentation to the end of the table just so that we have a start on some potential points to discuss in more depth.

Please feel free to revise either table as you see fit and let me know if you would like to discuss before we share with these materials with the team.

Thanks!
Christy

Christy Powers
Postdoctoral Fellow
National Center for Environmental Assessment (B 220-I)
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

Tel: (919) 541-5504
E-mail: powers.christina@epa.gov

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From: Joca, Lauren
Sent: Monday, October 06, 2014 3:28 PM
To: Powers, Christina; Cowden, John; Lee, Janice; Gift, Jeff; Sams, Reeder; Meacham, Connie
Subject: Mechanistic literature review

Categories: Record Saved - Private

Hi Team,

The literature search portion of Slide 1 has been updated using the revised lit search flow diagram on the OneDrive. Let me know if you have any other edits.

Thanks,
Lauren

Lauren Joca
ORSE Contract Researcher
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
919.541.4640

From: Lee, Janice
Sent: Monday, April 07, 2014 11:17 AM
To: Luben, Tom; Kirrane, Ellen; Turley, Audrey
Cc: Cowden, John; Davis, Allen; Gift, Jeff; Sams, Reeder
Subject: meta-analysis workplan comments
Attachments: Arsenic_Meta-Analyses Approach_032814_JAD.DOCX; Arsenic_Draft_2_Review_Kopylev.docx; comments on ICF proposed arsenic meta-analysis - apr2014.docx

Categories: Record Saved - Private

Hi Tom and Ellen,

FYI- We received comments on the meta-analysis plan for hazard id. They are attached.

Thanks, Janice

Bohn, Brent

281

From: Cowden, John
Sent: Thursday, March 27, 2014 10:58 AM
To: Jones, Ryan
Subject: MOA cluster paragraph

Categories: Record Saved - Private

Hi Ryan,

Happy Thursday! I hope that things are going well for you today.

Have you gotten a chance to draft the lit search paragraph for the MOA clusters? We're sending something up north for review today and I'd like to include it if possible.

Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Subject: MOA discussion- lit search and categorization
Location: RTP-B230-Max20-NCEA/RTP-Bldg-B
Start: Mon 7/28/2014 1:00 PM
End: Mon 7/28/2014 2:00 PM
Show Time As: Tentative
Recurrence: (none)
Meeting Status: Not yet responded
Organizer: Lee, Janice
Required Attendees: Cowden, John; Powers, Christina; Jones, Ryan; Turley, Audrey; Mendez Jr, William

Attached is a working draft of the value of information decision tree for causality for the use of mechanistic data in hazard id. This may be useful for our discussion. Note that the first three slides are the ones of focus.



2014 07 25 iAs
Mechanistic Dat...

Let's meet to talk about the MOA lit search, including how to categorize/tag and verify.
Thanks!

From: Kirrane, Ellen
Sent: Tuesday, January 28, 2014 12:42 PM
To: Luben, Tom; Cowden, John
Subject: RE: Arsenic: Check in regarding epi study quality and evidence tables?

Categories: Record Saved - Private

Hi John and Tom, it seems like it might be safer to schedule a meeting for Thursday rather than tomorrow because of the weather.

Do you want to talk briefly prior to our discussion with ICF?

Ellen

Ellen F. Kirrane, Ph.D.
Ph: 919 541-1340

From: Luben, Tom
Sent: Tuesday, January 28, 2014 12:36 PM
To: Cowden, John; Kirrane, Ellen
Subject: FW: Arsenic: Check in regarding epi study quality and evidence tables?

John,

I think this is a good idea. If you're OK with it, would you forward the email (and attachment) that I sent you on Friday with my comments to Audrey (if you haven't already). I think they would serve as a good springboard for the discussion.

(I'm only asking because I'm not sure if I am able to send things directly to ICF).

Thanks,

Tom

From: Turley, Audrey [<mailto:Audrey.Turley@icfi.com>]
Sent: Tuesday, January 28, 2014 12:26 PM
To: Kirrane, Ellen; Luben, Tom; Cowden, John; Lee, Janice
Cc: Burch, Dave; Blain, Robyn
Subject: Arsenic: Check in regarding epi study quality and evidence tables?

Hi Tom and Ellen,

Would it be useful to check in tomorrow to talk about your epi study quality and evidence table review? If so, does 1:30 work?

Thanks,

Audrey

AUDREY TURLEY | Senior Manager | 919.293.1621 (o) | 919.599.3601 (m) | audrey.turley@icfi.com | icfi.com
ICF INTERNATIONAL | 2635 Meridian Parkway, Suite 200, Durham, NC 27713

Bohn, Brent

From: Lee, Janice
Sent: Thursday, April 24, 2014 10:51 AM
To: Johnson, Maureen; Cogliano, Vincent; Jones, Samantha; Perovich, Gina; Vandenberg, John; Chiu, Weihsueh
Cc: Sams, Reeder; Cowden, John; Meacham, Connie
Subject: iAs prelim materials for website
Attachments: Inorganic_Arsenic_Draft_Materials_April2014.pdf
Categories: Record Saved - Private

Hi Maureen,

Attached is the 508 compliant pdf of the preliminary draft materials for inorganic arsenic, ready to be posted on the public meeting website.

Thank you Connie for all your help in getting this pdf ready!

We just need to look at the HERO lit browser page and make sure it's set to go public.

Let us know if you have any questions.

Thanks, Janice

From: Meacham, Connie
Sent: Thursday, April 24, 2014 8:55 AM
To: Lee, Janice; Cowden, John
Cc: Sams, Reeder
Subject: Potential Final Version - Let me know if you have "emergency" edits

Here it is – a 508'ed PDF of our Draft Development Materials for iAs. (731 Pages).

Let me know if you have any edits – If you do not, we can use this one.

Thanks!

-Connie

Connie Meacham, M.S.

Biologist

HERO Project Lead

U.S. EPA, ORD, NCEA

NCEA-RTP IO

Office: B240L

Phone: **919-541-3908** (cell: 919-368-8600)

email: meacham.connie@epa.gov

Bohn, Brent

291

From: Burch, Dave <dave.burch@icfi.com>
Sent: Friday, May 23, 2014 4:55 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Turley, Audrey
Subject: Epi evidence table inserts for arsenic - Jan-Mar lit search update
Attachments: Epi_LitSearchUpdate_renal.docx; Epi_LitSearchUpdate_cardio.docx;
Epi_LitSearchUpdate_nervous.docx; Epi_LitSearchUpdate_developmental.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Record Saved - Private

Hi John and Janice,

Attached are the evidence table sections corresponding to the relevant epi studies identified in the Jan to March lit search update for arsenic. You should be able to simply copy and insert these rows into the existing tables for these four health effect categories in the main document.

Please let me or Audrey know if you have any questions or concerns with these.

thanks!
Dave

DAVE BURCH |
ICF INTERNATIONAL |

Bohn, Brent

From: Lee, Janice
Sent: Wednesday, April 02, 2014 10:48 AM
To: Persad, Amanda; Christensen, Krista
Cc: Cowden, John; Sams, Reeder
Subject: epi workgroup request
Attachments: Arsenic_Meta-Analyses Approach_032814.pdf

Categories: Record Saved - Private

Hi Amanda and Krista,

We received a proposed meta-analysis plan (for hazard ID) for inorganic arsenic from ICF and we're looking for someone in the epi workgroup to review this plan. Someone who has done meta-analysis for an assessment would be great. We're looking for a turnaround time of a week. Let me know if you have any questions.

Thanks, Janice

Janice S. Lee, Ph.D.
National Center for Environmental Assessment
Mail Code: B-243-01
Office of Research and Development
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

E-mail: Lee.JaniceS@epa.gov
Telephone: 919-541-9458
Fax: 919-541-0245

Bohn, Brent

293

From: Rooney, Andrew (NIH/NIEHS) [E] <andrew.rooney@nih.gov>
Sent: Thursday, March 20, 2014 8:09 AM
To: Sams, Reeder
Cc: Cowden, John
Subject: evidence table and suggested edits from Feb 27
Attachments: Bimonthly Inorganic Arsenic Materials and Topics for Discussion -First 10 pages AR.docx
Categories: Record Saved - Private

Andrew A. Rooney, Ph.D.

Deputy Director, NTP – Office of Health Assessment and Translation
National Institute of Environmental Health Sciences / National Toxicology Program
P.O. Box 12233, Mail Drop K2-04
RTP, NC 27709

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eFax: (301) 480-3299
email: Andrew.Rooney@nih.gov

Mailing Address:
P.O. Box 12233, Mail Drop K2-04
Research Triangle Park, NC 27709

Bohn, Brent

294

From: Cowden, John
Sent: Friday, November 15, 2013 10:37 AM
To: Gift, Jeff
Cc: Lee, Janice; Sams, Reeder; Shao, Kan
Subject: Evidence tables for iAs
Attachments: As_EvidenceTables_Short_10312013.docx

Categories: Record Saved - Private

Hey Jeff,

Happy Friday! I hope that things are going well for you today.

Here are the draft epi evidence tables for iAs. All of these data exist in DRAGON database, so we should be able to export to any format you need. Let me know if you have any questions.

Have a great morning!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

295

From: Luben, Tom
Sent: Tuesday, January 28, 2014 12:36 PM
To: Cowden, John; Kirrane, Ellen
Subject: FW: Arsenic: Check in regarding epi study quality and evidence tables?
Categories: Record Saved - Private

John,

I think this is a good idea. If you're OK with it, would you forward the email (and attachment) that I sent you on Friday with my comments to Audrey (if you haven't already). I think they would serve as a good springboard for the discussion.

(I'm only asking because I'm not sure if I am able to send things directly to ICF).

Thanks,

Tom

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Tuesday, January 28, 2014 12:26 PM
To: Kirrane, Ellen; Luben, Tom; Cowden, John; Lee, Janice
Cc: Burch, Dave; Blain, Robyn
Subject: Arsenic: Check in regarding epi study quality and evidence tables?

Hi Tom and Ellen,

Would it be useful to check in tomorrow to talk about your epi study quality and evidence table review? If so, does 1:30 work?

Thanks,
Audrey

AUDREY TURLEY |
ICF INTERNATIONAL

From: Cowden, John
Sent: Wednesday, April 30, 2014 12:28 PM
To: Hetes, Bob
Cc: Lee, Janice; Sams, Reeder; Gift, Jeff; Bruce Allen
Subject: FW: Arsenic: Meta-Analyses Approach REVISED
Attachments: Arsenic_Meta-Analyses Approach_REVISED_042414.pdf; Proposed Integrated Approach to Epi Modeling using MCMC.docx

Categories: Record Saved - Private

Hi Bob,

Happy Wednesday! I hope that things are going well for you today.

I'm forwarding two draft meta-analyses approaches to you. The first is the ICF meta-analysis approach for hazard ID. The second is Bruce's draft approach for the dose-response meta-analyses.

Let me know if you have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

300

From: Lee, Janice
Sent: Tuesday, April 01, 2014 10:17 AM
To: Sams, Reeder; Cowden, John
Subject: FW: Arsenic: Proposed Approach for Meta-Analyses

Categories: Record Saved - Private

I sent the meta-analysis plan to Weihsueh since they did meta-analysis for TCE.
He is suggesting sending it to the epi WG since Jennifer Jinot, Cheryl Scott, and Glinda Cooper did the meta-analysis for TCE.

What are your thoughts? Should people who did it for TCE take a look?

Janice

From: Chiu, Weihsueh
Sent: Monday, March 31, 2014 5:14 PM
To: Lee, Janice
Subject: RE: Arsenic: Proposed Approach for Meta-Analyses

Hi Janice,

I'd be happy to take a look, but I'm not sure I'm the best person to review this. In fact, I'd suggest that the epidemiology WG should be consulted. Jennifer Jinot and Cheryl Scott did the meta-analysis for cancer and TCE, and with Glinda Cooper also did in a meta-analysis for schleroderma and TCE.

Regards,
Weihsueh

Weihsueh Chiu, PhD
Chief, Toxicity Pathways Branch
IRIS Division, National Center for Environmental Assessment
U.S. Environmental Protection Agency - 8601P
Washington, DC 20460
(703) 347-8607 (voice)
(703) 347-8699 (fax)
chiu.weihsueh@epa.gov

From: Lee, Janice
Sent: Monday, March 31, 2014 3:33 PM
To: Chiu, Weihsueh
Subject: FW: Arsenic: Proposed Approach for Meta-Analyses

Hi Weihsueh,

Attached is the proposed approach for hazard ID meta-analyses for arsenic. Since you did meta-analysis for TCE, it'd be great if you can take a look.

Thanks!
Janice

From: Cowden, John
Sent: Monday, March 31, 2014 2:53 PM
To: Davis, Allen; Gift, Jeff; Luben, Tom; Kirrane, Ellen
Cc: Lee, Janice; Sams, Reeder
Subject: FW: Arsenic: Proposed Approach for Meta-Analyses

Hi Ellen, Allen, Jeff, and Tom,

Happy Monday! I hope that things are going well for you today.

ICF has pulled together a draft approach for hazard ID meta-analyses. If you have time, take a quick look and see what you think. Mostly, I just wanted the DREAMers to have a copy.

Let me know if you have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Turley, Audrey [<mailto:Audrey.Turley@icfi.com>]
Sent: Friday, March 28, 2014 6:23 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Eftim, Sorina; Mendez Jr, William; Burch, Dave
Subject: Arsenic: Proposed Approach for Meta-Analyses

John, Janice, and Reeder,

The attached memo describes our proposed approach for meta-analyses for hazard identification. We look forward to discussing it with you on either Thursday or Friday of next week.

Are you available at any of these times?

Thursday, April 3

11-12

2:30-3:30

Friday, April 4

11-12

2-3

3-4

Thank you,
Audrey

AUDREY TURLEY | Senior Manager | 919.293.1621 (o) | 919.599.3601 (m) | audrey.turley@icfi.com | icfi.com
ICF INTERNATIONAL | 2635 Meridian Parkway, Suite 200, Durham, NC 27713

From: Luben, Tom
Sent: Monday, February 03, 2014 9:19 AM
To: Kirrane, Ellen
Cc: Cowden, John; Sams, Reeder
Subject: FW: Arsenic: Resolutions and Action Items for Evidence Tables and SQ Review
Attachments: As_EPA Comments on Evidence Tables and SQ - Resolutions and Action Items_013114_tjl.docx

Categories: Record Saved - Private

Ellen,

I went through the document that Audrey sent and made some comments in green.

Do you have time to meet this afternoon to go through these?

Thanks!

Tom

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Sunday, February 02, 2014 4:30 PM
To: Cowden, John; Lee, Janice; Sams, Reeder; Kirrane, Ellen; Luben, Tom
Cc: Burch, Dave; Marin, Kristen; Eftim, Sorina; Blain, Robyn
Subject: Arsenic: Resolutions and Action Items for Evidence Tables and SQ Review

Hello,

The attached notes summarize the action items and resolutions for the evidence tables and study quality review from our meeting on Thursday, January 30.

Please confirm that you received the file.

Thank you,

Audrey

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From: Lee, Janice
Sent: Thursday, August 21, 2014 11:20 AM
To: Christy Powers; Joca, Lauren
Cc: Cowden, John
Subject: FW: Arsenic: Task 6 Susceptibility Literature Search Results
Attachments: As_Susceptibility_Categorization Results_071514.xlsx; Arsenic_Susceptibility Categorization Results_072214.docx

Categories: Record Saved - Private

Hello,

Here are the results from the susceptibility lit search. I'm thinking of having a meeting early next week with ICF to walk through the spreadsheet.

Janice

From: Turley, Audrey [mailto:Audrey.Turley@icfi.com]
Sent: Thursday, August 14, 2014 5:27 PM
To: Lee, Janice; Cowden, John; Sams, Reeder; Powers, Christina
Cc: Blain, Robyn; Cawley, Michelle; Skuce, Courtney
Subject: Arsenic: Task 6 Susceptibility Literature Search Results

Hi Janice,

The two documents attached describe the results of the categorization of the susceptibility literature search. You should start with the Word document; in it we provide a key to the Excel spreadsheet.

Audrey

AUDREY TURLEY |
ICF INTERNATIONAL ;

Bohn, Brent

303

From: Lee, Janice
Sent: Thursday, August 21, 2014 11:20 AM
To: Christy Powers; Joca, Lauren
Cc: Cowden, John
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Attachments: As_Susceptibility_Categorization Results_071514.xlsx; Arsenic_Susceptibility Categorization Results_072214.docx

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Audrey

AUDREY TURLEY |
ICF INTERNATIONAL |

Bohn, Brent

305

From: Cowden, John
Sent: Thursday, February 27, 2014 12:32 PM
To: Lee, Janice; Sams, Reeder
Subject: Draft materials for submission to NCEA
Attachments: Bimonthly Inorganic Arsenic Materials and Topics for Discussion - draft - 22714.docx
Categories: Record Saved - Private

Hi Janice and Reeder,

Happy Thursday! I hope that things are going well for you today.

Here are the draft compiled materials for sending north. There are still some formatting issues (e.g multiple TOCs in one document and the weird headers) that we should work on before release.

Let me know if you have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

Bohn, Brent

306

From: Cowden, John
Sent: Wednesday, March 19, 2014 3:26 PM
To: Hetes, Bob; Dutton, Steven; Wade, Tim; Lee, Janice; Kirrane, Ellen; Sams, Reeder; andrew.rooney@nih.gov; Gift, Jeff; Thomas, David; El-Masri, Hisham; Joca, Lauren; Powers, Christina; Meacham, Connie; Jarabek, Annie; Shao, Kan; Kenyon, Elaina
Subject: DREAM Team - draft materials for public meeting in June
Categories: Record Saved - Private

Hi DREAM Team members,

Happy Wednesday! I hope that things are going well for you today.

In anticipation of the public inorganic arsenic "evidence table" meeting in June, we have compiled several documents into one file. Be patient when opening; the document is pretty large. I recommend using the document map to move around.

These compiled materials contain the revised assessment development plan, the epi risk of bias and evidence tables, sample animal tox risk of bias and evidence tables, as well as some preliminary AOP tables. Some of these materials because they may prove useful as you develop the sections of the document. For instance, the dose-response DREAMers may like to see the types of data presented in the evidence table as they consider their D-R options. Similarly, the revised Assessment Development Plan lays out several decisions that could be important for your sections.

Bottom line: These materials are still in draft mode so we're sending them as an FYI. Hopefully you find these materials somewhat useful.

Let me know if you have any questions. Have a great afternoon!

John



Inorganic Arsenic
Materials an...

Bohn, Brent

From: Cowden, John
Sent: Thursday, February 06, 2014 10:46 AM
To: Luben, Tom; Kirrane, Ellen
Subject: DRAFT DRAFT DRAFT revisions to the ADP
Attachments: iAs Assessment Development Plan - revised draft - 02.06.14.docx

Categories: Record Saved - Private

Hi Ellen and Tom,

Happy Thursday! I hope that things are going well for you today.

Here is a first draft of the revised ADP for arsenic. It's tracked changes, but I would just use the "final" view in Word. It hasn't been vetted by Janice and Reeder, so take it's discussion of risk of bias evaluations/study quality with a grain of salt.

Although the details are being ironed out, I think the big picture approach for literature search/evaluation is pretty close. I thought it may be helpful as context for you during the review of RoB. Just keep in my that the vision is apt to change at any point. ☺

Let me know if you have any questions. Have a great afternoon!

John

John Cowden, Ph.D.
Hazardous Pollutant Assessment Group (HPAG)
National Center for Environmental Assessment (NCEA)
U.S. Environmental Protection Agency - RTP
(919) 541-3667

From: Kirrane, Ellen
Sent: Friday, January 24, 2014 12:05 PM
To: Cowden, John
Cc: Luben, Tom; Lee, Janice
Subject: Comments on Supporting Documents
Attachments: Kirrane comments supporting documents 1 24 14.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hi John,

I'm attaching some preliminary comments on the supporting documentation.

I think Audrey is also looking for comments on the scientific decisions that went into assigning the quality scores (If I understand correctly) and it would be a lot easier if I had a file with the detailed quality score info that contained just the 94 CV studies. I'll see if this is possible for today otherwise I'll continue to review this material Monday.

Ellen

Ellen F. Kirrane, Ph.D.
Epidemiologist
Environmental Protection Agency
Office of Research and Development
National Center for Environmental Assessment, B243-01
Research Triangle Park, NC 27711
Phone: 919 541-1340

Nothing in this message shall be construed as a change to the price, schedule or terms and conditions of the Contract. If the receiver does construe it otherwise, please notify me immediately so that proper contract action can be initiated.

Bohn, Brent

309

From: Lee, Janice
Sent: Monday, September 22, 2014 1:23 PM
To: Cowden, John
Subject: arsenic study quality

Categories: Record Saved - Private

Hey John!

Hope you had a nice weekend. I went to doc again on Friday, and I have inflamed bronchioles. Had to do breathing treatments to open up my lungs and now I have to use an inhaler twice a day. Crazy!!!

Anyway I have been trying to find the arsenic study quality that was done back in early 2013. I went back to my lotus notes and I see early versions but not the final completed study quality that was done. I'm hoping you have it saved in a folder?

This is for our MOA meeting tomorrow. I'm supposed to check and see if ICF answered all 19 questions.

Thanks, Janice

From: Kirrane, Ellen
Sent: Friday, January 24, 2014 11:42 AM
To: Sams, Reeder
Cc: Cowden, John; Luben, Tom
Subject: As_SQDetailed

Categories: Record Saved - Private

Hi Reeder,

I think it is John's off day and I had a quick question.

Do you think ICF could generate a version of "AsSQDetailed_10312013" that is sorted by health outcome, or provide the CVD outcomes in a separate file? As it is now each entry has a "Health Outcome" and sometimes it is heart: function sometimes cardiovascular and the document is 702 pages long.

Ellen

Ellen F. Kirrane, Ph.D.
Epidemiologist
Environmental Protection Agency
Office of Research and Development
National Center for Environmental Assessment, B243-01
Research Triangle Park, NC 27711
Phone: 919 541-1340

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Bohn, Brent

From: Kirrane, Ellen
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Cc: Luben, Tom; Lee, Janice
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Attachments: Kirrane comments supporting documents 1 24 14.docx

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Record Saved - Private

Hi John,

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Ellen

Ellen F. Kirrane, Ph.D.
Epidemiologist
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Office of Research and Development
National Center for Environmental Assessment, B243-01
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Phone: 919 541-1340

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Bohn, Brent

314

From: Kirrane, Ellen
Sent: Wednesday, February 19, 2014 10:47 AM
To: Cowden, John; Lee, Janice
Cc: Sams, Reeder; Luben, Tom
Subject: Comments on Table 4 Clarification of Risk of Bias
Attachments: Table 4 - clarification of risk of bias_EPA edits.docx

Categories: Record Saved - Private

Hi John and Janice,

As promised, attached are comments from Tom and me on Table 4 for ICF.

Let us know if any additional clarification is needed.

Ellen

Bohn, Brent

315

From: Sams, Reeder
Sent: Tuesday, April 01, 2014 10:07 AM
To: Cowden, John; Lee, Janice; Powers, Christina
Cc: Cogliano, Vincent
Subject: Arsenic Materials for Bimonthly
Attachments: Inorganic Arsenic Materials and Topics for Discussion - revised draft - 03 27 14 VC comments.docx

Categories: Record Saved - Private

John et al.,

Vince and I talked about some additional comments that he had for the draft that we sent last Thursday. The comments are included in the attached document. If you have questions we can discuss further.

Best Regards,
Reeder

Reeder L. Sams II, Ph.D.
Deputy Director (Acting), RTP Division
NCEA/ORD/USEPA
RTP, NC 27711

Phone: 919-541-0661
Fax: 919-541-0245

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Thursday, April 03, 2014 9:54 AM
To: Jones, Ryan
Cc: Sams, Reeder; Powers, Christina; Cowden, John; Lee, Janice
Subject: Arsenic: Health Effect Categories and Effects
Attachments: Arsenic Health Effect Categories and Effects 040314.xlsx

Categories: Record Saved - Private

Ryan,
I exported the following list of health effects and endpoints from DRAGON. The first two columns (defaultCategory and endpoint) represent the default health effect list used in DRAGON. Health_Effect_NameInStudy is just that, the exact wording the authors used to describe the outcome. Assessment Category is the arsenic-specific grouping of related health effects and is intended to match the hazard ID sections that will be drafted, although it still requires some additional changes.
Let me know if you have questions!
Audrey

AUDREY TURLEY |
ICF INTERNATIONAL |

From: Turley, Audrey <Audrey.Turley@icfi.com>
Sent: Friday, March 28, 2014 6:23 PM
To: Cowden, John; Lee, Janice; Sams, Reeder
Cc: Eftim, Sorina; Mendez Jr, William; Burch, Dave
Subject: Arsenic: Proposed Approach for Meta-Analyses
Attachments: Arsenic_Meta-Analyses Approach_032814.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Record Saved - Private

John, Janice, and Reeder,

The attached memo describes our proposed approach for meta-analyses for hazard identification. We look forward to discussing it with you on either Thursday or Friday of next week.

Are you available at any of these times?

Thursday, April 3
11-12
2:30-3:30

Friday, April 4
11-12
2-3
3-4

Thank you,
Audrey

AUDREY TURLEY |
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